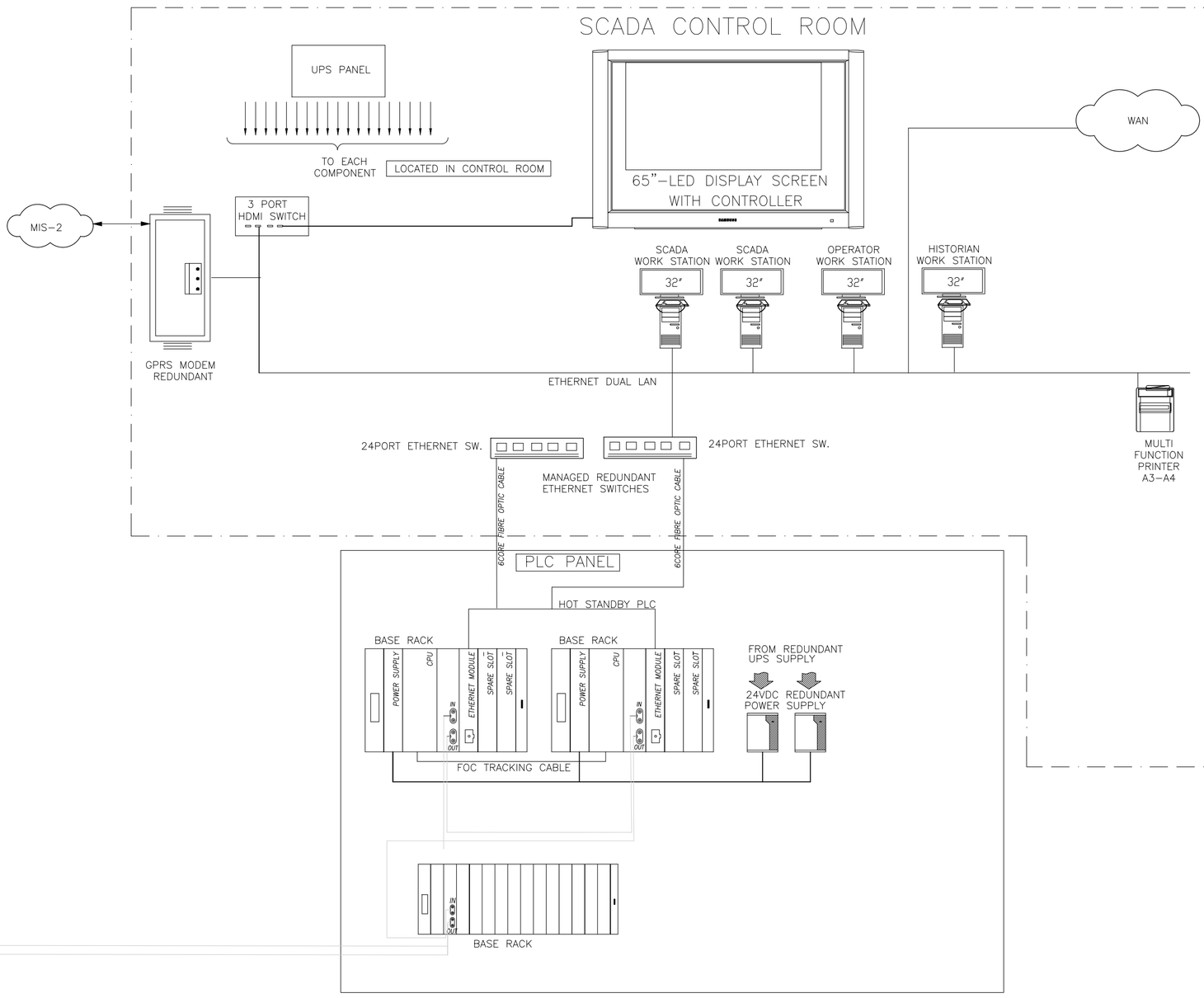

NOTES:

1. PLC SHALL OPERATE IN HOT STANDBY CONFIGURATION.
2. SCADA SHALL BE DUAL REDUNDANT SERVER.
3. REDUNDANT MANAGED ETHERNET SWITCH SHALL BE CONSIDERED.
4. CONTROL DESIGN SHALL ENSURE THAT SEWAGE TREATMENT PLANT AND TSPS CAN BE OPERATED IN COMPLETE AUTOMATIC MODE OF OPERATION VIA PLC BASED SCADA SYSTEM AT ALL TIMES.
5. CONTROL DESIGN SHALL INCLUDE AND ENSURE THAT COMPLETE PLANT CAN BE OPERATED IN MANUAL MODE IN THE EVENT OF AUTO MODE FAILURE. LOCAL CONTROL PANELS SHALL BE AT EACH PROCESS LOCATION.
6. A HISTORIAN SOFTWARE SHALL BE PROVIDED IN ADDITION TO THE SCADA SOFTWARE WITH REQUIRED SERVER.
7. THE CONTRACTOR SHALL INCLUDE ALL REQUIRED INSTRUMENTATION AND AUTOMATION TO FULFIL THE MINIMUM INPUT OUTPUT REQUIREMENTS FOR AUTOMODE CONTROL PLANT AS PER PARTICULAR ICA REQUIREMENTS CLAUSE 16.22 AND 16.23.

LINE LEGEND DETAILS

SR.No.	DESCRIPTION	SYMBOL
1	ETHERNET CABLE	
2	OPTICAL FIBRE CABLE (OFC)	
3	RS232 CABLE	
4	EXTENSION CABLE	
5	24 DC POWER CABLE	
6	PARELEL CABLE FOR PRITER	

REV.	DATE OF ISSUE	PREPARED BY	CHECKED BY	VALIDATED BY	PM	TENDER DRAWING REFERENCE PURPOSE ONLY

CLIENT

CHIEF ENGINEER (WWM-WEST)
BANGALORE WATER SUPPLY AND SEWERAGE BOARD

CONSULTANT

NJS ENGINEERS INDIA PVT. LTD

PROJECT

UPGRADATION OF EXISTING 40 EXISTING 40 MLD CAPACITY STP AT RAJA CANAL (PHASE I)

TITLE

SCADA SYSTEM CONFIGURATION 40MLD AT RAJACANAL STP

DRAWN BY :		VERIFIED BY :	
DESIGNED BY:		APPROVED BY :	
SCALE:	DRG. NO. NJSEI/BLR/DPR/RAJ/STP/SCD/06	DATE	REV. R0